

EXHIBIT B



Illinois Department of Transportation

Division of Highways / District 6
126 East Ash Street / Springfield, Illinois / 62704-4792
Telephone 217/782-7301

April 28, 2005

Ameren Energy Fuels & Services
MC 611
1901 Chouteau Avenue
St. Louis, Missouri 63103

RE: Permit 6-29222 Approval Letter

Dear Sir:

Enclosed are two approved copies of Utility Permit, District Serial No. 6-29222.

One copy of the Permit should be retained for your records while the other copy shall be available at the jobsite whenever construction is taking place.

You may proceed with the work in accordance with the terms and provisions of the Permit.

Also enclosed please find two self-addressed post cards, the "Start of Work" card needs to be mailed 72 hours prior to the start of work, and the "Completion of Work" card after the work is completed.

Sincerely,

Christine M. Reed, P.E.
Deputy Director of Highways
Region Four Engineer

By: Louis J. Haasis
Louis J. Haasis, P.E. KTT
District Operations Engineer

LJH:KT:djc
Enclosure



Illinois Department of Transportation

UTILITY PERMIT

PHONE NUMBER:

Public Improvement ☐ Yes ☐ No
IDOT Permit No. 6-29222
Utility Reference No. _____

I (We) Ameren Energy Fuels & Services MC 611, 1901 Chouteau Avenue
Name of Applicant Mailing Address
St. Louis, Missouri 63103, hereinafter termed the Permittee.
City State & Zip

request permission and authority to occupy, and to do certain work herein described on, the right-of-way of the State highway known as FAP 42, Section 105, 106 (W. RS-1) & 105 (R-BR), from _____ to _____ in Montgomery County. The work is described in detail below and/or on the attached sketch or plans.

The work location is on FAP 42- IL 127 approximately 3,540 feet north of Township Road 300 in Montgomery County.

Whereas, Ameren Energy, hereinafter termed the Petitioner, are hereby granted permission and authority to locate, construct, operate and maintain a railroad grade crossing on Illinois Route 127, Montgomery County, located at Railroad Station 257+47 in Section 13, Township 7 North, Range 4 West in accordance with the attached plans, which are made a part of this permit.

This permit covers the operation and presence of specified equipment, material or facility on the right-of-way that may be related to the authorized work. **A copy must be present when crews or equipment occupy highway right-of way.**

This permit is subject to conditions and restrictions of Part 530 of Title 92 of the Illinois Administrative Code, Accommodation of Utilities on Right-of-Way of the Illinois State Highway System. **The removal, relocation or modification of facilities permitted to occupy the right-of-way is governed by Section 9-113 of the Illinois Highway Code, as amended by Public Act 92-0470. The Permittee agrees to comply with the requirements of these laws and with all terms and conditions established by this permit. This permit is subject to revocation by the Department on violation of the terms and conditions governing its use.**

Glenn P. Hof 4/19/05
Signature of Agent for Permittee Date

GLENNON P. HOF
Name of Permittee (Print or Type)

P.O. Box 66149, MC 611
Mailing Address

ST. LOUIS MO 63166-6149
City State Zip

This Permit is not in effect until signed by Petitioner and approved by District Engineer.

The work authorized by this permit shall be completed within 988 days (by 12/31/07) after the date of approval by the Department otherwise the permit will be considered null and void.

Public Improvement Projects only: The anticipated letting date is _____

This permit allowing occupancy and work on state right-of-way is approved. The Utility Coordination Council established by the Department in the area covered by this permit is District 6/Region 4.

Christine M. Beed 4/28/05
Department of Transportation KTT Date

This permit is subject to the conditions and restrictions **established in accordance with the Illinois Highway Code and Part 530 of Title 92 of the Illinois Administrative Code** including but not limited to the following:

- (1) The applicant represents all parties in interest and shall furnish material, do all work, pay all costs and shall in a reasonable length of time restore the damaged portions of the highway to a condition similar or equal to that existing before the commencement of the described work, including any landscape restoration necessary. (See Section 530.250 of Title 92).
- (2) The proposed work shall be located and construction to the satisfaction of the District Engineer or his duly authorized representative. No revisions or additions shall be made to the proposed work on the right-of-way without the written permission of the District Engineer or his duly authorized representative (See Section 530.200 of Title 92). **In certain circumstances the Department may require that the construction plans and/or the as-built documents be sealed by an Illinois Registered Professional Engineer. Typical of such projects would be petroleum or gas pipelines.**
- (3) The applicant shall at all times conduct the work in such a manner as to minimize hazards to vehicular and pedestrian traffic. All signs, barricades, flaggers, etc., required for traffic control shall be furnished by the applicant. (See Section 530.240 of Title 92).
- (4) The applicant must ascertain the presence of Highway Authority Agreements established in accordance with 35 Ill. Admin. Code Section 742.1020 in the path of its proposed installation and take precautions to protect its workers, human health and the environment in those areas. (See Section 530.240 of Title 92). Where contamination is encountered through excavation in the ROW, it should be managed offsite and IDOT's generator number for the appropriate county may be used.
- (5) The applicant shall not trim, cut or in any way disturb any trees or shrubbery along the highway without the approval of the District Engineer or his duly authorized representative. (See Section 530.600 of Title 92).
- (6) **The facilities authorized to occupy the right-of-way by this permit are subject to removal, relocation or modification by the permittee at no expense to the State on notice given by the Department in accordance with Section 9-113 of the Illinois Highway Code, as amended. Participation by the permittee in the UTILITY Coordination Council identified on page one of this permit is required as a condition of this permit. Permittee shall cooperate with the Department with the scheduling of any removal, relocation or modification deemed necessary for highway or highway safety purposes, and, if Utility Coordination Council participation is required by this permit, with the activities of the council identified on the first page of this permit. (See Section 9-113 of the Illinois Highway Code.) Use of and compliance with current IDOT Traffic Control Standards will be required.**
- (7) If the applicant and the District cannot agree either on whether the permit should be issued or on what conditions would be appropriate, the applicant may, within 30 days of the issuance of written notice of the District's position, appeal the District's determination to the Chief of the Department's Central Bureau of Operations. (See Section 530.900 of Title 92).
- (8) The permittee agrees to fully comply with the following legal obligations in advance of entering and while upon any Right-of-way within the Illinois State Highway System.
 - a) ***Only a permit issued by the Department under this Part will satisfy the "written consent" requirement of Section 9-113 of the Illinois Highway Code (the Code).***
 - b) ***A permit from the Department grants a license only to undertake certain activities in accordance with this Part on a State right-of-way, and does not create a property right or grant authority to the permittee to impinge on the rights of others who may have an interest in the right-of-way. Such others might include an owner of an underlying fee simple interest if the right-of-way is owned as an easement or dedication of right of way, an owner of an easement, or another permittee.***
 - c) ***It shall be the responsibility of the permittee to ascertain the presence and location of existing above-ground or underground facilities on the highway right-of-way to be occupied by their proposed facilities. The Department will***

make its permit records available to a permittee for the purpose of identifying possible facilities. When notified of an excavation or when requested by the Department, a permittee shall locate, physically mark, and indicate the depth of its underground facilities within 48 hours excluding weekends and holidays.

- d) The permittee shall avoid conflicts with any existing underground or above-ground facilities on or near the highway right-of-way. Both the Department and J.U.L.I.E. are to be contacted for assistance during the application process.
- e) The permittee shall comply with all other applicable laws relating to the placement of utility lines.
- f) The issuance of a utility permit by the Department does not excuse the permittee from complying with any existing statutes, local regulations or requirements of other Department (e.g., oversized and overweight vehicles) or the requirements of other State agencies including, but not limited to, the following:

Illinois Commerce Commission
Illinois Department of Agriculture
Illinois Department of Natural Resources
Illinois Department of Mines and Minerals
Illinois Environmental Protection Agency
Illinois Historic Preservation Agency

- g) Rights of abutting and underlying property owners are protected by common law and Sections 9-113 and 9-127 of the Code. The permittee will address these rights prior to initiating activities on State right-of-way. The Department will not be a party in any negotiations between the utility and abutting property owners.
- h) In no case shall the permit give or be construed to give an entity any easement, leasehold or other property interest of any kind in, upon, under, above or along the State highway right-of-way.
- i) Each person responsible for a utility, in place on the effective date of this Part, on a State highway right-of-way shall notify the Department in writing, if that facility does not comply with this Part. The Department shall treat such a notice as a request for a variance under Section 530.130. Until informed that a variance will not be granted, a person responsible for a pre-existing utility will not be in violation of this Part. The failure to provide such notice constitutes a violation of this Part and of the utility accommodation permit (if any) and would justify the imposition of the sanctions set forth in Section 530.810.

Work to be coordinated with Department Representatives:

Kim Tribbet

Phone 217/782-7745

Phone ()

Utility Contact Person: _____

Phone ()

Work to be done by:

Contractor: _____

Daytime Phone: ()

Emergency Phone: ()

Traffic control operation:

Number of lane closures: _____

Time of closures: _____

Any deviation of alignment for the proposed railroad grade crossing requires permission from the District permit office. Upon completion of the project, the petitioner shall submit a set of as-built plans.

All work authorized by this permit shall be constructed and maintained without expense to the State of Illinois.

The proposed railroad grade crossing shall be constructed and maintained to match the existing profile of Illinois Route 127.

The proposed crossing shall be Star Track II HD pre-cast concrete or approved equal installed in accordance with the manufacturer's recommendations.

A full-depth saw cut shall be made on Illinois Route 127 prior to removing the pavement for the Star Track II installation. The pavement removal limits shall be 10-feet each side of the track centerline. The material placed in the trench outside the limits of the concrete crossing shall be according to the attached mixture chart. The Permittee shall replace all highway pavement markings that become obliterated by the crossing installation.

The Permittee shall be responsible for furnishing the required railroad flaggers for all future work on Illinois Route 127 by the Department at this railroad crossing, at no cost to the State.

(21)
6/28/05

Utility poles, manholes, handholes, fire hydrants or any other obstruction shall not be placed in the ditch flowline of any state highway. Facilities shall be placed outside the clear zone area.

All pipe, conduit, wire, poles, cross arms, or other materials distributed along the highway prior to installation shall be placed as remote as practicable from the edge of the pavement in a manner to minimize its being a hazard to errant vehicles or an obstacle to highway maintenance. If material is to be stored on highway right-of-way for more than 2-weeks prior to installation, approval must be obtained from the Department.

Any tree trimming, tree removal, or root disturbance required for the installation of utility facilities covered by this permit, shall not be considered normal maintenance operations. Tree trimming, tree removal, and/or root disturbance shall require the application for, and issuance of, a separate permit. This permit shall be submitted for approval to the District Landscape Architect, Bureau of Operations 217/785-5305.

The applicant shall have on hand the proposed roadway construction plans for this project. The placement of the facilities shall be constructed so as not to be in conflict with the proposed roadway construction project. Any adjustment or relocation of the new or existing facilities within the state's right-of-way or access control shall be at the applicant's expense.

The applicant must notify this office 48 hours prior to the start of any work on State right-of-way.

This permit is valid only for those facilities located upon State right-of-way and precludes installation upon non-State right-of-way without acquisition of any required and/or necessary easements.

All appurtenances located on State right-of-way attached to said facilities shall be the responsibility of the Applicant.

It must be understood that everyone working on this project shall indemnify and save harmless the State of Illinois, its officers, and employees, from all suits, actions or damages received or sustained by any person or property on account of or in consequence of any action of omission, neglect, or misconduct, by your organization or anyone working with your organization.

The Applicant shall require his Contractor (or Contractors) to perform his (or their) work in accordance with the "Standard Specifications for Road and Bridge Construction," adopted January 1, 2002, and the "Supplemental Specifications" in effect on the date of construction. All material incorporated into the project shall be obtained from a Department approved source and shall be in accordance with Section 1000 of said "Specifications."

Work is not allowed to be started on this project until the permit has been approved by this Department. This permit is required to be available at the jobsite at all times for inspection by a duty authorized representative of the Department of Transportation of the Illinois State Police.

Upon completion of all construction or maintenance work on state highway right-of-way, the Contractor and/or the Applicant shall remove all excess material and restore all turf and terrain to the satisfaction of the Department.

Such clean-up and repair may consist of backfilling, regrading, reseeding, resodding, or any other requirements to restore the right-of-way to a condition equivalent to that which existed prior to the commencement of the project.

No deviations to the work specified in this permit will be allowed without approval from this office. If the applicant deviates without approval, the facility may be required to be relocated off of State right-of-way at the applicant's expense.

The Applicant shall stay a minimum of 0.61m (2-feet) away from all sign poles (wooden or steel) and at no time is the Applicant or his Contractor to remove and replace any signs without the approval of this office.

The Applicant or his Contractor (or Contractors) shall control and protect all vehicular and pedestrian traffic by use of signs, barricades, flagmen, lights, watchmen and by any other means as required in the "Manual on Uniform Traffic Control Devices for Streets and Highways" during the progress of the work as described within this permit. However, additional protection must be provided when special complexities and hazards arise.

Ground-mounted appurtenances to electric power or communication lines shall be located within 0.305m (1-foot) of the right-of-way line or as near as practicable. Ground-mounted appurtenances, when permitted on state highway right-of-ways, shall be provided with a vegetation free area expanding 0.305m (1-foot) in width beyond the appurtenances in all directions.

Overhead power and communication lines crossing conventional highways shall cross at or as near to a 90° angle as practicable. Vertical line clearance over the roadway shall be a minimum of 6.10m (20-feet) with additional clearances as required by General Order No. 160 Revised of the Illinois Commerce Commission for higher voltage lines.

No overhead flood light fixtures, advertising signs, or signs of any kind, shall be placed on/or overhang the state right-of-way.

The roadway shall be maintained by the petitioner in a safe and sightly manner and to the satisfaction of the Director of Highways or his duly authorized agent.

Traffic on the highway shall be protected by the use of signs, barricades, lights and flagmen as may be required during progress of the work in accordance with the current State of Illinois Manual of Uniform Traffic Control Devices for Highway Construction and Maintenance Operations and the attached Traffic Control Standard(s).

The centerline of all poles, anchors, fixtures, and appurtenances shall be located not more than one foot from the highway right-of-way line except as shown on the attached sketch.

Layout and construction shall be as shown on the attached sketch which is a part of this permit.

The crossing under the pavement shall be at least 30 inches below the flow line of the original or existing cross section of the roadway whichever is lower.

The disturbed area shall be seeded with the specified mixture at the following ratio: Three pounds of Kentucky Bluegrass or Kentucky 31 or Alta Fescue, two pounds of Perennial Ryegrass. The rate of application shall be five pounds per 1000 square feet. All flat areas shall be mulched with straw. Areas with slopes of 3:1 and greater shall be covered with an erosion control fabric. The area shall be continuously reseeded until a sound turf is established.

Construction shall be in accordance with provisions of the National Electric Safety Code and Illinois Commerce Commission's rules entitled, "Construction of Electric Power and Communication Lines" (83 Ill. Adm. Code 305).

Following completion of the construction on the highway right-of-way, all broken concrete or any other waste dirt or materials shall be removed from the highway and the remaining grassed areas prepared for seeding.

At all times during construction, the permittee shall be responsible for maintaining the highway surface in a safe and sightly manner. Any mud or debris which might be tracked or spilled onto the highway surface shall be immediately removed.

Before digging on state right-of-way, call toll free 800-892-0123 to the "Joint Utility Locating and Information for Excavators." They will advise you if there are any utilities in the area.

All construction methods and materials shall comply with the applicable provisions of the State of Illinois "Standard Specifications for Road and Bridge Construction" adopted January 1, 2002.

Date:
Contract No.
County:
Route:
Section:

MIXTURE REQUIREMENTS

The following mixture requirements are applicable for this project:

Location(s):	
Mixture Use(s):	Bituminous Surface
PG:	PG 64-22
RAP %: (Max)**	15%
Design Air Voids:	4.0% @ N Design = 50
Mixture Composition: (Gradation Mixture)	IL 9.5 or 12.5
Friction Aggregate:	M-X C

Location(s):	
Mixture Use(s):	Bituminous Binder
PG:	PG 64-22
RAP %: (Max)**	20%
Design Air Voids:	4.0% @ N Design = 50
Mixture Composition: (Gradation Mixture)	IL 19.0
Friction Aggregate:	N/A

Location(s):	
Mixture Use(s):	
PG:	
RAP %: (Max)**	
Design Air Voids:	
Mixture Composition: (Gradation Mixture)	
Friction Aggregate:	

Location(s):	
Mixture Use(s):	
PG:	
RAP %: (Max)**	
Design Air Voids:	
Mixture Composition: (Gradation Mixture)	
Friction Aggregate:	

District Permit No. 6-29222

Traffic Control for this permit shall be governed by Section 530.240 of the "Accommodation of Utilities on Right-of-way of the Illinois State Highway System", the Standard Specifications for Road and Bridge Construction adopted January 1, 2002, the latest Supplemental Specifications and Recurring Special Provisions, and the latest edition of the "Manual on Uniform Traffic Control Devices for Streets and Highways", Traffic Control Standards contained in the permit, and any additional reference to Traffic Control contained in the permit.

Per Article 702.01 of the Standard Specifications add the following: "All devices and combinations of devices shall meet the requirements of the National Cooperative Highway Research Program (NCHRP) Report 350 for their respective categories".

Special attention is called to Articles 701.04, 702.01, 704.01 and 1084.02 of the Standard Specifications for Road and Bridge Construction. These articles address the following.

701.04 Flaggers and Flagger Certification

Whenever flaggers are used to close traffic lanes, they shall be certified by an agency approved by the Department.

Flaggers shall have the appropriate spacing with proper communications as per the attached Traffic Control Standards and Standard Specification.

FLAGGER VESTS (BDE) Effective: April 1, 2003

"The flagger shall be stationed to the satisfaction of the Engineer and be equipped with a fluorescent orange, fluorescent yellow/green or a combination of fluorescent orange and fluorescent yellow/green vest meeting the requirements of the American National Standards Institute Specification ANSI/ISEA 107-1999 for Conspicuity Class 2 garments and approved flogger traffic control signs conforming to Standard 702001 and Article 702.05(e)".

Nighttime Flagging. The Flagger station shall be lit by additional overhead lighting other than streetlights. The flagger shall be equipped with a fluorescent orange or fluorescent orange and fluorescent yellow/green garment meeting the requirements of the American National Standards Institute specification ANSI/ISEA 107-1999 for Conspicuity Class 2 garments.

PERSONAL PROTECTIVE EQUIPMENT (BDE) Effective: JULY 1, 2004

All personnel, excluding flaggers, working outside of a vehicle (car or truck) within 7.6 m (25ft) of pavement open to traffic shall wear a fluorescent orange, fluorescent yellow/green or a combination of fluorescent orange and fluorescent yellow/green vest meeting the requirements of the American National Standards Institute specification ANSI/ISEA 107-1999 for Conspicuity Class 2 garments. Other types of garments may be substituted for the vest as long as the garments have manufacturers tags identifying them as meeting the ANSI Class 2 requirement.

702.01 Channeling Devices

Channeling devices shall be spaced as per the attached Traffic Control Standards and Standard Specifications.

Devices shall be clean and have the proper sheeting.

Cones will not be used for nighttime traffic channelization unless they have the proper reflectivity. No lane closures without flagger protection.

Flashing lights are to be used for hazardous conditions. Steady burning lights are to be used for traffic guidance.

1084.02 Fluorescent Orange Signing

All advance warning signs shall be fluorescent orange.

The Stop/Slow paddles shall be octagon in shape and the "Slow" side shall be fluorescent orange in color.

WORK ZONE TRAFFIC CONTROL DEVICES (BDE)

Effective: January 1, 2003

Revised: April 2, 2004

Add the following to Article 702.01 of the Standard Specifications:

"All devices and combinations of devices shall meet the requirements of the National Cooperative Highway Research Program (NCHRP) Report 350 for their respective categories. The categories are as follows:

Category 1 includes small, lightweight, channelizing and delineating devices that have been in common use for many years and are known to be crashworthy by crash testing of similar devices or years of demonstrable safe performance. These include cones, tubular markers, flexible delineators and plastic drums with no attachments. Category 1 devices shall be crash tested and accepted or may be self-certified by the manufacturer.

Category 2 includes devices that are not expected to produce significant vehicular velocity change but may otherwise be hazardous. These include drums and vertical panels with lights, barricades and portable sign supports. Category 2 devices shall be crash tested and accepted for Test Level 3.

Category 3 includes devices that are expected to cause significant velocity changes or other potentially harmful reactions to impacting vehicles. These include crash cushions, truck mounted attenuators and other devices not meeting the definitions of Category 1 or 2. Category 3 devices shall be crash tested and accepted for Test Level 3.

Category 4 includes portable or trailer-mounted devices such as arrow boards, changeable message signs, temporary traffic signals and area lighting supports. Currently, there is no

implementation date set for this category and it is exempt from the NCHRP 350 compliance requirement.

The Contractor shall provide a manufacturer's self-certification letter for each Category 1 device and an FHWA acceptance letter for each Category 2 and Category 3 device used on the contract. The letters shall state the device meets the NCHRP 350 requirements for its respective category and test level, and shall include a detail drawing of the device."

Delete the third, fourth and fifth paragraphs of Article 702.03(b) of the Standard Specifications.

Delete the third sentence of the first paragraph of Article 702.03(c) of the Standard Specifications.

Revise the first sentence of the first paragraph of Article 702.03(e) of the Standard Specifications to read:

"Drums shall be nonmetallic and have alternating reflectorized Type AA or Type AP fluorescent orange and reflectorized white horizontal, circumferential stripes."

Add the following to Article 702.03 of the Standard Specifications:

"(h) Vertical Barricades. Vertical barricades may be used in lieu of cones, drums or Type II barricades to channelize traffic."

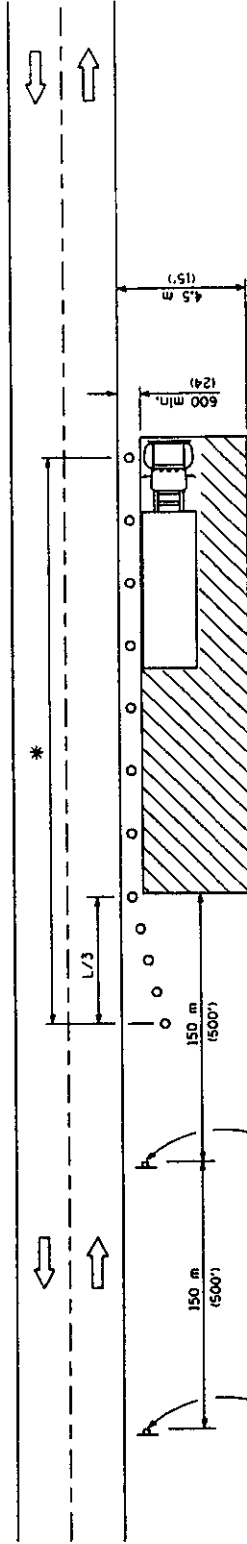
Delete the fourth paragraph of Article 702.05(a) of the Standard Specifications.

Revise the sixth paragraph of Article 702.05(a) of the Standard Specifications to read:

"When the work operations exceed four days, all signs shall be post mounted unless the signs are located on the pavement or define a moving or intermittent operation. When approved by the Engineer, a temporary sign stand may be used to support a sign at 1.2 m (5 ft) minimum where posts are impractical. Longitudinal dimensions shown on the plans for the placement of signs may be increased up to 30 m (100 ft) to avoid obstacles, hazards or to improve sight distance, when approved by the Engineer. "ROAD CONSTRUCTION AHEAD" signs will also be required on side roads located within the limits of the mainline "ROAD CONSTRUCTION AHEAD" signs."

Delete all references to "Type 1A barricades" and "wing barricades" throughout Section 702 of the Standard Specifications.

See <http://www.dot.il.gov/desenv/hwyspecs.html> for the highway standards, special provisions, and specifications.



For contract construction projects

For maintenance and utility projects

GENERAL NOTES

This Standard is used where at all times, any vehicles, equipment, worker or their activities will encroach in the area from 4.5 m (15') to the edge of pavement, except where activities will result in a drop-off greater than 75 mm (3") within 600 mm (24") of pavement.

If the operation is 4.5 m (15') or more off the pavement edge, no signing or cones will be required, unless two or more vehicles cross the 4.5 m (15') clear zone in one hour.

* When working within 600 mm (24") of the pavement edge, cones, drums or barricades shall be placed at 8 m (25') centers for L/3 distance, 15 m (50') centers through remainder of work area.

Shoulder tapers should have a minimum length of L/3.

Where L is:

FORMULAS

SPEED LIMIT
70 km/h (40 mph) or less:
Metric: $L = \frac{WS^2}{150}$
English: $L = \frac{WS^2}{60}$

80 km/h (45 mph) or greater:
Metric: $L = 0.65WMS$
English: $L = 0.65WMS$

W = Width of offset in meters (feet).

S = Normal posted speed km/h (mph).

All dimensions are in millimeters (inches) unless otherwise shown.

SYMBOLS

Work area

Sign

Cone, drum or barricade

TYPICAL APPLICATIONS

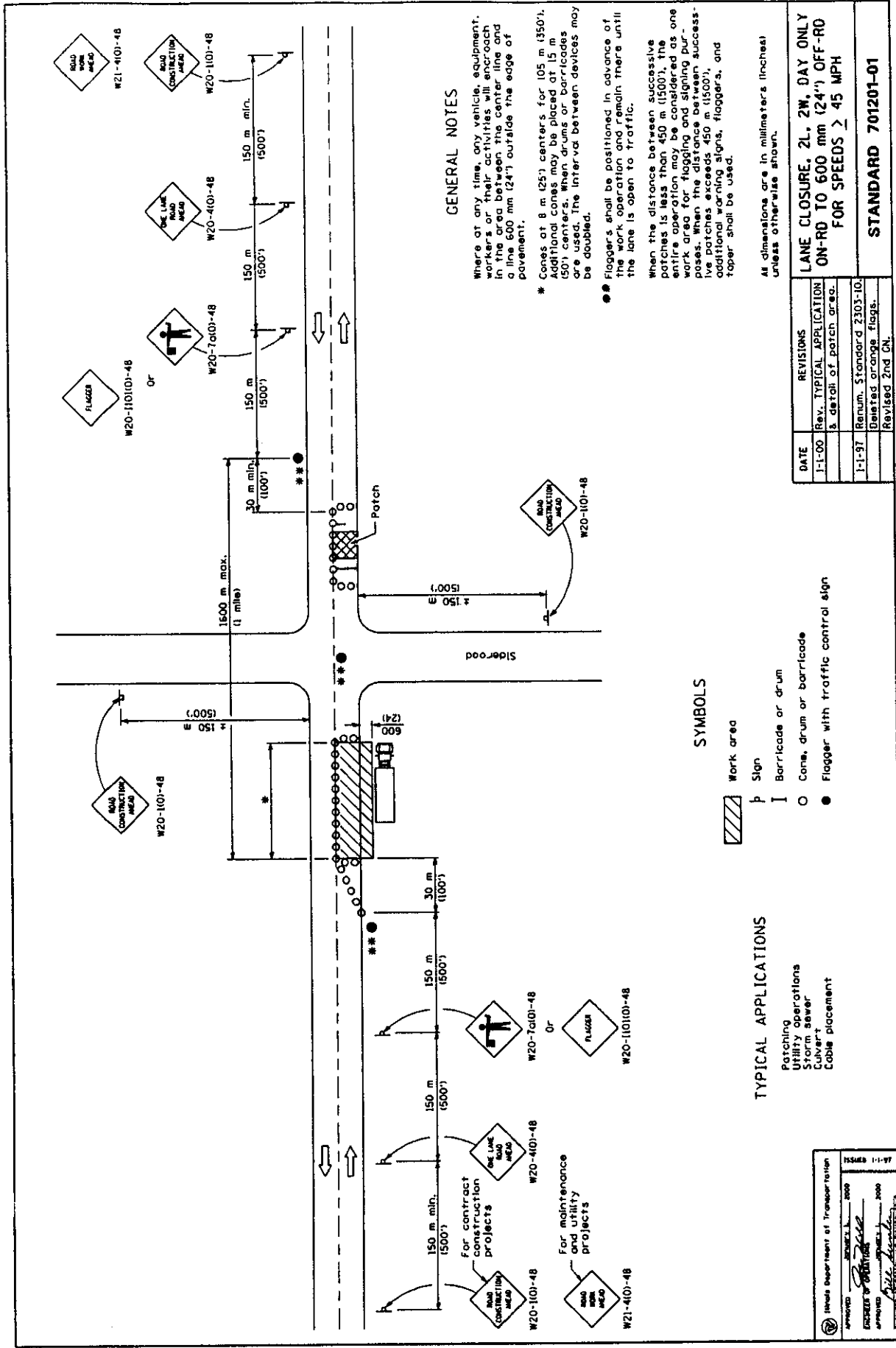
Utility operations
Culvert extensions
Side slope changes
Guardrail installation and maintenance
Barricade installation
Lane closing operations
Shoulder repair
Sign installation and maintenance

ISSUED 1-1-97 APPROVED: <i>[Signature]</i> REVIEWED: <i>[Signature]</i> APPROVED: <i>[Signature]</i> CHECKED: <i>[Signature]</i>	
Illinois Department of Transportation PROJECT NO. 1198 SHEET NO. 1198 DATE 11-97	

DATE	REVISIONS
11-98	Rev. 1st GEN. NOTE.
	Rev. (24") to (24") in 3rd GEN. NOTE.
11-97	Rev. Standard 2302-9.

OFF-ROAD OPERATIONS 2L, 2W
4.5 m (15') TO PAVEMENT EDGE
FOR SPEEDS \geq 45 MPH
STANDARD 701006-01

6-29222



GENERAL NOTES

- Where at any time, any vehicle, equipment, workers or their activities will encroach in the area between the center line and a line 600 mm (24") outside the edge of pavement.
- * Cones of 8 m (26") centers for 105 m (350'). Additional cones may be placed at 15 m (50') centers, when drums or barricades are used. The interval between devices may be doubled.
- ** Flaggers shall be positioned in advance of the work operation and remain there until the lane is open to traffic.
- When the distance between successive patches is less than 450 m (1500'), the entire operation may be considered as one work area for flagging and signing purposes. When the distance between successive patches is less than 450 m (1500'), additional warning signs, flaggers, and taper shall be used.

All dimensions are in millimeters (inches) unless otherwise shown.

DATE	REVISIONS
1-1-00	Rev. Typical Application & detail of patch area.
1-1-97	Revised Standard 2303-10.
	Revised orange flags.
	Revised 2nd CN.

**LANE CLOSURE, 2L, 2W, DAY ONLY
ON-ROAD TO 600 mm (24") OFF-ROAD
FOR SPEEDS > 45 MPH**

STANDARD 701201-01

SYMBOLS

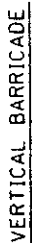
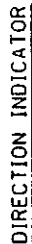
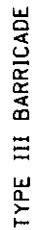
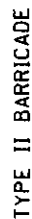
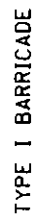
- Work area
- Sign
- Barricade or drum
- Cone, drum or barricade
- Flagger with traffic control sign

TYPICAL APPLICATIONS

- Patching
- Utility operations
- Storm sewer
- Curb-cut
- Cable placement

Iowa Department of Transportation	
APPROVED	DESIGNED
DATE	DATE
1-1-00	1-1-97
PROJECT: 2303-10	
SHEET: 2303-10	
DRAWN: 2303-10	
CHECKED: 2303-10	
APPROVED: 2303-10	

6-29222



* Warning lights (if required)

GENERAL NOTES

All heights shown shall be measured above the pavement surface.

TRAFFIC CONTROL DEVICES		STANDARD 702001-05	
DATE	REVISIONS		
1-1-05	Added note to work limit signing and re-added Type I barricade.		
4-1-04	Removed Type I barricade and constr. speed limit sign.		

Illinois Department of Transportation

ISSUED 1-1-91

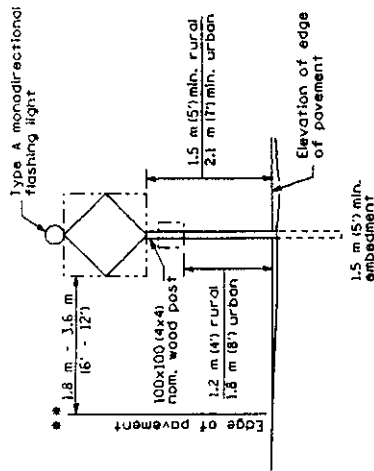
APPROVED: JOURNAL 11 2005

MEMBER OF OPERATIONS

APPROVED: JOURNAL 11 2005

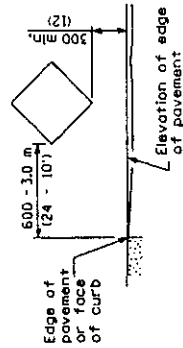
Michael J. Hearn

6-29222

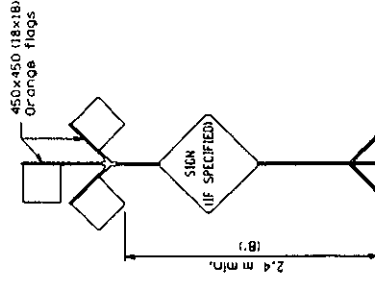


POST MOUNTED SIGNS

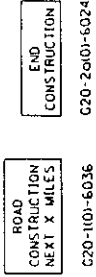
- When curb or paved shoulder are present this sign shall be 600 (24) to the face of curb or 1.8 m (6') to the outside edge of the paved shoulder.



SIGNS ON TEMPORARY SUPPORTS



HIGH LEVEL WARNING DEVICE

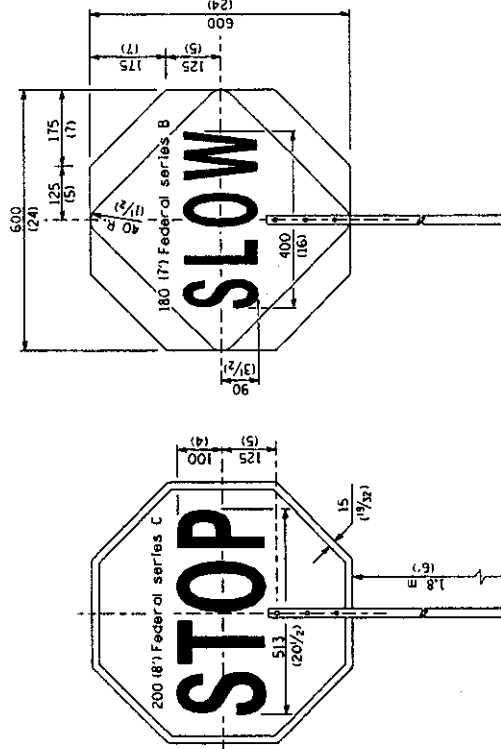


This signing is required for all projects 3200 m (2 miles) or more in length. ROAD CONSTRUCTION NEXT X MILES sign shall be placed 150 m (500') in advance of project limits.

END CONSTRUCTION sign shall be erected at the end of the job unless another job is within 3200 m (2 miles).

Dual sign displays shall be utilized on multi-lane highways.

WORK LIMIT SIGNING



REVERSE SIDE

FRONT SIDE

FLAGGER TRAFFIC CONTROL SIGN

All dimensions are in millimeters (inches) unless otherwise shown.

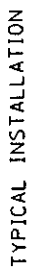
Illinois Department of Transportation	
APPROVED	ISSUED 1-1-97
DESIGNED BY: [Signature] CHECKED BY: [Signature] APPROVED BY: [Signature] DATE: [Date]	

TRAFFIC CONTROL DEVICES

(Sheet 2 of 3)

STANDARD 702001-05

6-29222

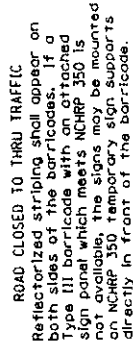


All dimensions are in millimeters (inches) unless otherwise shown.

TRAFFIC CONTROL
DEVICES

(Sheet 3 of 3)

STANDARD 702001-05




TYPICAL APPLICATIONS OF

TYPE III BARRICADES CLOSING A ROAD

ROAD CLOSED TO ALL TRAFFIC

Reflectorized striping may be omitted on the back side of the barricade. If a type III barricade with an attached sign panel which meets NCHRP 350 is not available, the sign may be mounted on an NCHRP 350 temporary sign support directly in front of the barricade.


 Approved _____ JUNE 21, 2005
 ENGINEER OF DESIGN

Approved _____ JUNE 21, 2005
 ENGINEER OF DESIGN AND ENVIRONMENT

Issued _____ 1-1-97

Lincoln Department of Transportation

6-29222